## In the Claims

The following Listing of Claims replaces all prior versions in the application:

## LISTING OF CLAIMS

1. (Currently amended) An electron tube, comprising: an electrically insulating wall portion;

a multistage depressed collector (MSDC) including:

a first electrode adapted to collect electrons of a first energy level <u>impacting the</u> <u>first electrode</u>, the first electrode formed on an inside portion of said insulating wall portion and comprising a metallization layer formed on said inside portion of said insulating wall portion;

a second electrode adapted to collect electrons of a second energy level <u>impacting</u> the second electrode; and

an insulating portion for electrically isolating said first and second electrodes from one another; and an electrical path coupling said first electrode to a terminal on an exterior of the tube.

 (Currently amended) An electron tube, comprising: an electrically insulating wall portion;
a multistage depressed collector (MSDC) including:

a first electrode adapted to collect electrons of a first energy level <u>impacting the</u> <u>first electrode</u>, the first electrode formed on an inside portion of said insulating wall portion and comprising a metallization layer formed on said inside portion of said insulating wall portion and a cylindrical copper member including a plurality of circularly disposed fingers and slots, said fingers affixed at a distal end thereof to said metallization layer;

a second electrode adapted to collect electrons of a second energy level <u>impacting</u> the second electrode; and

an insulating portion for electrically isolating said first and second electrodes from one another; and an electrical path coupling said first electrode to a terminal on an exterior of the tube.

- 3. (Original) An electron tube in accordance with claim 1, wherein said electrically insulating wall portion comprises a ceramic material.
- 4. (Original) An electron tube in accordance with claim 2, wherein said electrically insulating wall portion comprises a ceramic material.
- 5. (Original) An electron tube in accordance with claim 3 wherein said tube further comprises a fluid cooling apparatus in thermal contact with an exterior of said tube.
- 6. (Original) An electron tube in accordance with claim 4 wherein said tube further comprises a fluid cooling apparatus in thermal contact with an exterior of said tube.
- 7. (Original) An electron tube in accordance with claim 5 wherein said ceramic comprises a material selected from the group consisting of: aluminum oxide, beryllium oxide and aluminum nitride.
- 8. (Currently amended) An electron tube in accordance with claim 6-3 wherein said tube further comprises a fluid cooling apparatus in thermal contact with an exterior of said tube.
- 9. (Currently amended) An electron tube, comprising:
  - a linear beam electron tube, comprising:

vacuum envelope means for maintaining a vacuum in the tube, said vacuum envelope means including an electrically insulating wall portion;

first means for conducting electricity disposed on an inside of said insulating wall portion, said first means collecting electrons of a first energy level;

second means for conducting electricity <u>disposed on an inside of said insulating wall, said</u> second means <u>and for collecting electrons of a second energy level;</u>

insulating means for electrically isolating the first and second means for conducting electricity; and

terminal means disposed on an outside of said insulating wall portion and electrically coupled to said means for conducting electricity.

- 10. (Previously presented) The electron tube of claim 9, wherein said first means for conducting electricity comprises a layer of metallization.
- 11. (Previously presented) The electron tube of claim 9, wherein said first means for conducting electricity comprises a cylindrical copper member having a plurality of circularly disposed fingers and slots.
- 12. (Original) The electron tube of claim 11, wherein distal ends of said fingers are brazed to said insulating wall portion.
- 13. (Previously presented) The electron tube of claim 10, wherein said first means for conducting electricity comprises a cylindrical copper member having a plurality of circularly disposed fingers and slots and wherein distal ends of said fingers are brazed to said layer of metallization.
- 14. (Original) The apparatus of claim 12, wherein said vacuum envelope means comprises a ceramic material.
- 15. (Original) The apparatus of claim 13, wherein said vacuum envelope means comprises a ceramic material.